

Application Serial No.: 09/942,567
Reply to Office Action dated January 26, 2006,
and Advisory Action dated June 29, 2006

IN THE CLAIMS

Please amend the claims as follows:

1.-18. (Canceled)

19. (Currently Amended) An optical distribution network system comprising:
an optical line termination; ~~and~~
a first optical network unit connected to said optical line termination through a
working optical network and a standby optical network; and
a second optical network unit connected to said optical line termination through said
working optical network and said standby optical network,

wherein said optical line termination is configured to send a first passive optical
network section trace (PST) message, ~~and~~

wherein said first optical network unit is configured to receive said first PST message,
and is configured to switch transmission of data traffic to said optical line termination along
either one of said working optical network and said standby optical network based on said
first PST message,

wherein said optical line termination is configured to send a second PST message, and
wherein said second optical network unit is configured to receive said second PST
message, and is configured to switch transmission of data traffic to said optical line
termination along either one of said working optical network and said standby optical
network based on said second PST message.

20. (Previously Presented) The optical distribution network system according to
claim 19, wherein said switching transmission of data traffic is performed based on a first

selection signal included in said first PST message.

21. (Canceled)

22. (Currently Amended) The optical distribution network system according to claim [[21]] 19, wherein said switching transmission of data traffic is performed based on a second selection signal included in said second PST message.

23. (Currently Amended) A network system switching method for an optical distribution network system provided with an optical line termination, ~~and~~ a first optical network unit connected through a working optical network and a standby optical network, and a second optical network unit connected through said working optical network and said standby optical network, comprising steps of:

 sending a first passive optical network section trace (PST) message from said optical line termination; ~~and~~

 switching transmission of data traffic to said optical line termination along either one of said working optical network and said standby optical network by said first optical network unit based on said first PST message received from said optical line termination;

sending a second PST message from said optical line termination; and

switching transmission of data traffic to said optical line termination along either one of said working optical network and said standby optical network by said first optical network unit based on said second PST message received from said optical line termination.

24. (Previously Presented) The network system switching method according to claim 23, wherein said switching transmission of data traffic is performed based on a first selection signal included in said first PST message.

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25. (Canceled)

26. (Currently Amended) The network system switching method according to claim
[[25]] 23, wherein said switching transmission of data traffic is performed based on a second
selection signal included in said second PST message.